

ENVIRONMENTAL NOTIFICATION FORM
ENVIRONMENTAL ASSESSMENT

Park Street Station

Vertical Transportation Improvements



Submitted by
Massachusetts Bay
Transportation Authority
Ten Park Plaza
Boston, MA 02116
August 2009

**Park Street Station Vertical Transportation Improvements
Boston, Massachusetts**

**Environmental Notification Form
Environmental Assessment**

**Submitted by:
Massachusetts Bay Transportation Authority
Ten Park Plaza
Boston, MA 02116-3974**

August 2009

ENF Environmental Notification Form

For Office Use Only
Executive Office of Environmental Affairs

EOEA No.: _____
MEPA Analyst: _____
Phone: 617-626-_____

The information requested on this form must be completed to begin MEPA Review in accordance with the provisions of the Massachusetts Environmental Policy Act, 301 CMR 11.00.

| | | |
|--|---|---------------------------------|
| Project Name: Park Street Station Vertical Transportation Improvements | | |
| Street: Boston Common, near intersection of Park Street and Tremont | | |
| Municipality: Boston | Watershed: Fort Point Channel to Boston Harbor | |
| Universal Transverse Mercator Coordinates: Northing: 4700407.0 Easting: 669342.8 | Latitude: 42 26' 15" Longitude: 71 03' 42" | |
| Estimated commencement date: March 2010 | Estimated completion date: March 2012 | |
| Approximate cost: \$9,800,000.00 | Status of project design: 90 %complete | |
| Proponent: Massachusetts Bay Transportation Authority | | |
| Street: 10 Park Street, Room 6720 | | |
| Municipality: Boston | State: MA | Zip Code: 02116 |
| Name of Contact Person From Whom Copies of this ENF May Be Obtained: Lois Baxter | | |
| Firm/Agency: MBTA | Street: 10 Park Plaza, Room 6720 | |
| Municipality: Boston | State: MA | Zip Code: 02116 |
| Phone: 617-222-3124 | Fax: 617-222-1557 | E-mail: lbaxter@mbta.com |

Does this project meet or exceed a mandatory EIR threshold (see 301 CMR 11.03)?

☐ Yes ☒ No

Has this project been filed with MEPA before?

☐ Yes (EOEA No. _____) ☒ No

Has any project on this site been filed with MEPA before?

☐ Yes (EOEA No. _____) ☒ No

Is this an Expanded ENF (see 301 CMR 11.05(7)) requesting:

a Single EIR? (see 301 CMR 11.06(8)) ☐ Yes ☒ No

a Special Review Procedure? (see 301 CMR 11.09) ☐ Yes ☒ No

a Waiver of mandatory EIR? (see 301 CMR 11.11) ☐ Yes ☒ No

a Phase I Waiver? (see 301 CMR 11.11) ☐ Yes ☒ No

Identify any financial assistance or land transfer from an agency of the Commonwealth, including the agency name and the amount of funding or land area (in acres): The project will be funded through the use of FTA funds as well as MBTA Revenue Bonds.

Are you requesting coordinated review with any other federal, state, regional, or local agency?

☒ Yes (Specify -- Federal Transit Administration (FTA) NEPA Approval) ☐ No

List Local or Federal Permits and Approvals: National Environmental Policy Act Approval, Section 106 Approval, Section 4f Approval, Article 97 Land Disposition Approval

Which ENF or EIR review threshold(s) does the project meet or exceed (see 301 CMR 11.03):

- | | | |
|--|---------------------------------------|---|
| <input checked="" type="checkbox"/> Land | <input type="checkbox"/> Rare Species | <input type="checkbox"/> Wetlands, Waterways, & Tidelands |
| <input type="checkbox"/> Water | <input type="checkbox"/> Wastewater | <input type="checkbox"/> Transportation |
| <input type="checkbox"/> Energy | <input type="checkbox"/> Air | <input type="checkbox"/> Solid & Hazardous Waste |
| <input type="checkbox"/> ACEC | <input type="checkbox"/> Regulations | <input checked="" type="checkbox"/> Historical & Archaeological Resources |

| Summary of Project Size & Environmental Impacts | Existing | Change | Total | State Permits & Approvals | |
|--|----------|--------|-------|---|--|
| LAND | | | | <input type="checkbox"/> Order of Conditions <input type="checkbox"/> Superseding Order of Conditions <input type="checkbox"/> Chapter 91 License <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> MHD or MDC Access Permit <input type="checkbox"/> Water Management Act Permit <input type="checkbox"/> New Source Approval <input type="checkbox"/> DEP or MWRA Sewer Connection/ Extension Permit <input type="checkbox"/> Other Permits (including Legislative Approvals) – Specify: _____ _____ _____ _____ _____ _____ | |
| Total site acreage (Boston Common) | ~ 50 | | | | |
| New acres of land altered | | 0.0024 | | | |
| Acres of impervious area | 14.94 | 0.0012 | 14.94 | | |
| Square feet of new bordering vegetated wetlands alteration | | 0 | | | |
| Square feet of new other wetland alteration | | 0 | | | |
| Acres of new non-water dependent use of tidelands or waterways | | 0 | | | |
| STRUCTURES | | | | | |
| Gross square footage | 0 | 106 | 106 | | |
| Number of housing units | 0 | 0 | 0 | | |
| Maximum height (in feet) | 0 | 18.5 | 18.5 | | |
| TRANSPORTATION | | | | | |
| Vehicle trips per day | 0 | 0 | 0 | | |
| Parking spaces | 0 | 0 | 0 | | |
| WASTEWATER | | | | | |
| Gallons/day (GPD) of water use | 0 | 0 | 0 | | |
| GPD water withdrawal | 0 | 0 | 0 | | |
| GPD wastewater generation/ treatment | 0 | 0 | 0 | | |
| Length of water/sewer mains (in miles) | 0 | 0 | 0 | | |

CONSERVATION LAND: Will the project involve the conversion of public parkland or other Article 97 public natural resources to any purpose not in accordance with Article 97?

☒ Yes (Specify **Boston Common**) ☐ No

Will it involve the release of any conservation restriction, preservation restriction, agricultural preservation restriction, or watershed preservation restriction?

☐ Yes (Specify _____) ☒ No

RARE SPECIES: Does the project site include Estimated Habitat of Rare Species, Vernal Pools, Priority Sites of Rare Species, or Exemplary Natural Communities?

☐ Yes (Specify _____) ☒ No

HISTORICAL /ARCHAEOLOGICAL RESOURCES: Does the project site include any structure, site or district listed in the State Register of Historic Place or the inventory of Historic and Archaeological Assets of the Commonwealth?

☒ Yes (Specify Boston Common National Historic District, Tremont Street Subway and Park Street Station _____) ☐ No

If yes, does the project involve any demolition or destruction of any listed or inventoried historic or archaeological resources?

☒ Yes (Specify_ Selected and limited demolition in Park Street Station will occur, including removal of an approximately 12.5 by 12.5 foot square section of both the roof and floor to install two elevators, and relocation of a stair connecting the Green Line Westbound Platform with the Red Line Center Platform below. _____) ☐ No

AREAS OF CRITICAL ENVIRONMENTAL CONCERN: Is the project in or adjacent to an Area of Critical Environmental Concern?

☐ Yes (Specify _____) ☒ No

PROJECT DESCRIPTION: The project description should include (a) a description of the project site, (b) a description of both on-site and off-site alternatives and the impacts associated with each alternative, and (c) potential on-site and off-site mitigation measures for each alternative (*You may attach one additional page, if necessary.*)

Park Street Station is one of the most important access nodes in the subway system, providing access to two highly utilized subway lines: the Green Line with multiple branches that serve areas west and northwest of downtown Boston and the Red Line which serves Cambridge and neighborhoods of Boston and communities south. The station presents complex structural issues in part because the Red Line is constructed below the Green Line. Park Street Station currently has one elevator connecting the street-level surface to the "non-paid" Westbound Green Line lobby and one elevator connecting the Westbound Green Line to the Red Line Center Platform. Currently, a passenger destined for the Westbound tracks on the Green Line who wishes to use the accessible entrance to the station must enter the station via the elevator on Tremont Street, across the street from the Boston Common. Upon exiting the elevator the passenger must pass through newly installed automatic fare collection gates at which he/she will be on the eastbound platform area. The passenger must then make his/her way approximately 325 feet down the platform to an existing elevator which will bring him/her to a level below the Green Line so as to cross underneath the tracks, and then enter yet a third elevator to come up to the Green Line Westbound platform. This trip is excessively long and can pose a significant challenge for a person with limited mobility and/or physical stamina. This circuitous path of travel is far less superior than a direct path from the surface to the unpaid area of the Green Line, which is the intent of this project. The Park Street Station Vertical Transportation Improvements will provide a second elevator leading from the surface to the Green Line Westbound Platform. This elevator will be located on the Boston Common in the vicinity of the existing West Head House. An additional elevator will connect the Green Line Westbound Platform to the Red Line Center Platform. The elevator between the Red and the Green lines will have no surface level element.

A further description of the project as well as its Purpose and Need and Alternatives Analysis can be found in the attached document.

LAND SECTION – all proponents must fill out this section**I. Thresholds / Permits**

A. Does the project meet or exceed any review thresholds related to **land** (see 301 CMR 11.03(1))
 ___ Yes **X** No; if yes, specify each threshold:

II. Impacts and Permits

A. Describe, in acres, the current and proposed character of the project site, as follows:

| | <u>Existing</u> | <u>Change</u> | <u>Total</u> |
|--|-----------------|---------------|--------------|
| Footprint of buildings | _____ | _____ | _____ |
| Roadways, parking, and other paved areas | _____ | _____ | _____ |
| Other altered areas (describe) | _____ | _____ | _____ |
| Undeveloped areas | _____ | _____ | _____ |

B. Has any part of the project site been in active agricultural use in the last three years?
 ___ Yes **X** No; if yes, how many acres of land in agricultural use (with agricultural soils) will be converted to nonagricultural use?

C. Is any part of the project site currently or proposed to be in active forestry use?
 ___ Yes **X** No; if yes, please describe current and proposed forestry activities and indicate whether any part of the site is the subject of a DEM-approved forest management plan:

D. Does any part of the project involve conversion of land held for natural resources purposes in accordance with Article 97 of the Amendments to the Constitution of the Commonwealth to any purpose not in accordance with Article 97? **X** Yes ___ No; if yes, describe:
 Conversion of approximately 106 s.f. of open space (Boston Common) to elevator head house. See attached document.

E. Is any part of the project site currently subject to a conservation restriction, preservation restriction, agricultural preservation restriction or watershed preservation restriction? ___ Yes **X** No; if yes, does the project involve the release or modification of such restriction? ___ Yes ___ No; if yes, describe:

F. Does the project require approval of a new urban redevelopment project or a fundamental change in an existing urban redevelopment project under M.G.L.c.121A? ___ Yes **X** No; if yes, describe:

G. Does the project require approval of a new urban renewal plan or a major modification of an existing urban renewal plan under M.G.L.c.121B? Yes ___ No **X**; if yes, describe:

H. Describe the project's stormwater impacts and, if applicable, measures that the project will take to comply with the standards found in DEP's Stormwater Management Policy:
 This project does not fall within the jurisdiction of the Boston Conservation Commission, nor technically under the Stormwater Management Policy. Nonetheless, the project will have negligible stormwater impacts. Approximately 50 s.f. of new impervious cover will be created through this project (only half of the structure will impact existing pervious surface) and adjacent existing storm drainage systems will accommodate the incremental increase in flow. All construction will take place in accordance with NPDES General Construction permit requirements.

I. Is the project site currently being regulated under M.G.L.c.21E or the Massachusetts Contingency Plan? Yes ___ No **X**; if yes, what is the Release Tracking Number (RTN)?

J. If the project is site is within the Chicopee or Nashua watershed, is it within the Quabbin, Ware, or Wachusett subwatershed? ___ Yes **X** No; if yes, is the project site subject to regulation under the Watershed Protection Act? ___ Yes ___ No

K. Describe the project's other impacts on land:

There are no other land impacts as defined within MEPA land impact thresholds. Mitigation strategies for reduction of impacts to land and historical resources has been a significant design objective beyond meeting the project's primary purpose and need.

III. Consistency

A. Identify the current municipal comprehensive land use plan and the open space plan and describe the consistency of the project and its impacts with that plan(s):

The project will result in the improvement of a facility that is vital to the provision of public transportation services, most notably for individuals with disabilities. By utilizing and improving an existing facility, this project is consistent with local land use patterns as set by the Boston Redevelopment Authority.

B. Identify the current Regional Policy Plan of the applicable Regional Planning Agency and describe the consistency of the project and its impacts with that plan:

The Boston Metropolitan Planning Organization's (MPO) transportation plan, ("Journey to 2030") identifies the following issues as key to the area's future development: system preservation, modernization, and efficiency; mobility; environment; safety and security; regional equity; (also called environmental justice); and land use and economic development. Updating the Park Street Station to improve access for people of all abilities serves to modernize the station, as well as increase efficiency, mobility, safety and equity for all riders.

C. Will the project require any approvals under the local zoning by-law or ordinance (i.e. text or map amendment, special permit, or variance)? Yes ___ No ☒; if yes, describe:

D. Will the project require local site plan or project impact review?
___ Yes ☒ No; if yes, describe:

RARE SPECIES SECTION

I. Thresholds / Permits

A. Will the project meet or exceed any review thresholds related to **rare species or habitat** (see 301 CMR 11.03(2))? ___ Yes ☒ No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **rare species or habitat**? ___ Yes ☒ No

C. If you answered "No" to both questions A and B, proceed to the **Wetlands, Waterways, and Tidelands Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Rare Species section below.

II. Impacts and Permits

A. Does the project site fall within Priority or Estimated Habitat in the current Massachusetts Natural Heritage Atlas (attach relevant page)? ___ Yes ___ No. If yes,

1. Which rare species are known to occur within the Priority or Estimated Habitat (contact: Environmental Review, Natural Heritage and Endangered Species Program, Route 135, Westborough, MA 01581, allowing 30 days for receipt of information):

2. Have you surveyed the site for rare species? ___ Yes ___ No; if yes, please include the results of your survey.

3. If your project is within Estimated Habitat, have you filed a Notice of Intent or received an Order of Conditions for this project? ___ Yes ___ No; if yes, did you send a copy of the Notice of Intent to the Natural Heritage and Endangered Species Program, in accordance with the Wetlands Protection Act regulations? ___ Yes ___ No

B. Will the project "take" an endangered, threatened, and/or species of special concern in

accordance with M.G.L. c.131A (see also 321 CMR 10.04)? ____ Yes ____ No; if yes, describe:

C. Will the project alter "significant habitat" as designated by the Massachusetts Division of Fisheries and Wildlife in accordance with M.G.L. c.131A (see also 321 CMR 10.30)? ____ Yes ____ No; if yes, describe:

D. Describe the project's other impacts on rare species including indirect impacts (for example, stormwater runoff into a wetland known to contain rare species or lighting impacts on rare moth habitat):

WETLANDS, WATERWAYS, AND TIDELANDS SECTION

I. Thresholds / Permits

A. Will the project meet or exceed any review thresholds related to **wetlands, waterways, and tidelands** (see 301 CMR 11.03(3))? ____ Yes **X** No; if yes, specify, in quantitative terms:

B. Does the project require any state permits (or a local Order of Conditions) related to **wetlands, waterways, or tidelands**? ____ Yes **X** No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Water Supply Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Wetlands, Waterways, and Tidelands Section below.

II. Wetlands Impacts and Permits

A. Describe any wetland resource areas currently existing on the project site and indicate them on the site plan:

B. Estimate the extent and type of impact that the project will have on wetland resources, and indicate whether the impacts are temporary or permanent:

| <u>Coastal Wetlands</u> | <u>Area (in square feet) or Length (in linear feet)</u> |
|---------------------------------------|---|
| Land Under the Ocean | _____ |
| Designated Port Areas | _____ |
| Coastal Beaches | _____ |
| Coastal Dunes | _____ |
| Barrier Beaches | _____ |
| Coastal Banks | _____ |
| Rocky Intertidal Shores | _____ |
| Salt Marshes | _____ |
| Land Under Salt Ponds | _____ |
| Land Containing Shellfish | _____ |
| Fish Runs | _____ |
| Land Subject to Coastal Storm Flowage | _____ |
| <u>Inland Wetlands</u> | |
| Bank | _____ |
| Bordering Vegetated Wetlands | _____ |
| Land under Water | _____ |
| Isolated Land Subject to Flooding | _____ |
| Bordering Land Subject to Flooding | _____ |
| Riverfront Area | _____ |

C. Is any part of the project

1. a limited project? ____ Yes ____ No
2. the construction or alteration of a dam? ____ Yes ____ No; if yes, describe:
3. fill or structure in a velocity zone or regulatory floodway? ____ Yes ____ No
4. dredging or disposal of dredged material? ____ Yes ____ No; if yes, describe the volume

of dredged material and the proposed disposal site:

5. a discharge to Outstanding Resource Waters? ☐ Yes ☐ No
 6. subject to a wetlands restriction order? ☐ Yes ☐ No; if yes, identify the area (in square feet):

D. Does the project require a new or amended Order of Conditions under the Wetlands Protection Act (M.G.L. c.131A)? ☐ Yes ☐ No; if yes, has a Notice of Intent been filed or a local Order of Conditions issued? ☐ Yes ☐ No; if yes, list the date and DEP file number:_____.
 Was the Order of Conditions appealed? ☐ Yes ☐ No. Will the project require a variance from the Wetlands regulations? ☐ Yes ☐ No.

E. Will the project:

1. be subject to a local wetlands ordinance or bylaw? ☐ Yes ☐ No
 2. alter any federally-protected wetlands not regulated under state or local law?
☐ Yes ☐ No; if yes, what is the area (in s.f.)?

F. Describe the project's other impacts on wetlands (including new shading of wetland areas or removal of tree canopy from forested wetlands):

III. Waterways and Tidelands Impacts and Permits

A. Is any part of the project site waterways or tidelands (including filled former tidelands) that are subject to the Waterways Act, M.G.L.c.91? ☐ Yes ☐ No; if yes, is there a current Chapter 91 license or permit affecting the project site? ☐ Yes ☐ No; if yes, list the date and number:

B. Does the project require a new or modified license under M.G.L.c.91? ☐ Yes ☐ No; if yes, how many acres of the project site subject to M.G.L.c.91 will be for non-water dependent use?

Current Change Total

C. Is any part of the project

1. a roadway, bridge, or utility line to or on a barrier beach? ☐ Yes ☐ No; if yes, describe:
 2. dredging or disposal of dredged material? ☐ Yes ☐ No; if yes, volume of dredged material _____
 3. a solid fill, pile-supported, or bottom-anchored structure in flowed tidelands or other waterways? ☐ Yes ☐ No; if yes, what is the base area? _____
 4. within a Designated Port Area? ☐ Yes ☐ No

D. Describe the project's other impacts on waterways and tidelands:

IV. Consistency:

A. Is the project located within the Coastal Zone? ☐ Yes ☐ No; if yes, describe the project's consistency with policies of the Office of Coastal Zone Management:

B. Is the project located within an area subject to a Municipal Harbor Plan? ☐ Yes ☐ No; if yes, identify the Municipal Harbor Plan and describe the project's consistency with that plan:

WATER SUPPLY SECTION

I. Thresholds / Permits

A. Will the project meet or exceed any review thresholds related to **water supply** (see 301 CMR 11.03(4))? ☐ Yes ☒ No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **water supply**? ☐ Yes ☒ No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Wastewater Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Water Supply Section below.

II. Impacts and Permits

A. Describe, in gallons/day, the volume and source of water use for existing and proposed activities at the project site:

| | <u>Existing</u> | <u>Change</u> | <u>Total</u> |
|------------------------------------|-----------------|---------------|--------------|
| Withdrawal from groundwater | _____ | _____ | _____ |
| Withdrawal from surface water | _____ | _____ | _____ |
| Interbasin transfer | _____ | _____ | _____ |
| Municipal or regional water supply | _____ | _____ | _____ |

B. If the source is a municipal or regional supply, has the municipality or region indicated that there is adequate capacity in the system to accommodate the project? ☐ Yes ☐ No

C. If the project involves a new or expanded withdrawal from a groundwater or surface water source,

1. have you submitted a permit application? ☐ Yes ☐ No; if yes, attach the application
2. have you conducted a pump test? ☐ Yes ☐ No; if yes, attach the pump test report

D. What is the currently permitted withdrawal at the proposed water supply source (in gallons/day)? _____ Will the project require an increase in that withdrawal? ☐ Yes ☐ No

E. Does the project site currently contain a water supply well, a drinking water treatment facility, water main, or other water supply facility, or will the project involve construction of a new facility? ☐ Yes ☐ No. If yes, describe existing and proposed water supply facilities at the project site:

| | <u>Existing</u> | <u>Change</u> | <u>Total</u> |
|---|-----------------|---------------|--------------|
| Water supply well(s) (capacity, in gpd) | _____ | _____ | _____ |
| Drinking water treatment plant (capacity, in gpd) | _____ | _____ | _____ |
| Water mains (length, in miles) | _____ | _____ | _____ |

F. If the project involves any interbasin transfer of water, which basins are involved, what is the direction of the transfer, and is the interbasin transfer existing or proposed?

G. Does the project involve

1. new water service by a state agency to a municipality or water district? ☐ Yes ☐ No
2. a Watershed Protection Act variance? ☐ Yes ☐ No; if yes, how many acres of alteration?
3. a non-bridged stream crossing 1,000 or less feet upstream of a public surface drinking water supply for purpose of forest harvesting activities? ☐ Yes ☐ No

H. Describe the project's other impacts (including indirect impacts) on water resources, quality, facilities and services:

III. Consistency -- Describe the project's consistency with water conservation plans or other plans to enhance water resources, quality, facilities and services:

WASTEWATER SECTION

I. Thresholds / Permits

A. Will the project meet or exceed any review thresholds related to **wastewater** (see 301 CMR 11.03(5))? ☐ Yes ☒ No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **wastewater**? ☐ Yes ☒ No; if yes,

specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Transportation – Traffic Generation Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Wastewater Section below.

II. Impacts and Permits

A. Describe, in gallons/day, the volume and disposal of wastewater generation for existing and proposed activities at the project site (calculate according to 310 CMR 15.00):

| | <u>Existing</u> | <u>Change</u> | <u>Total</u> |
|---|-----------------|---------------|--------------|
| Discharge to groundwater (Title 5) | _____ | _____ | _____ |
| Discharge to groundwater (non-Title 5) | _____ | _____ | _____ |
| Discharge to outstanding resource water | _____ | _____ | _____ |
| Discharge to surface water | _____ | _____ | _____ |
| Municipal or regional wastewater facility | _____ | _____ | _____ |
| TOTAL | _____ | _____ | _____ |

B. Is there sufficient capacity in the existing collection system to accommodate the project?
 ___ Yes ___ No; if no, describe where capacity will be found:

C. Is there sufficient existing capacity at the proposed wastewater disposal facility? ___ Yes ___ No; if no, describe how capacity will be increased:

D. Does the project site currently contain a wastewater treatment facility, sewer main, or other wastewater disposal facility, or will the project involve construction of a new facility? ___ Yes ___ No. If yes, describe as follows:

| | <u>Existing</u> | <u>Change</u> | <u>Total</u> |
|---|-----------------|---------------|--------------|
| Wastewater treatment plant (capacity, in gpd) | _____ | _____ | _____ |
| Sewer mains (length, in miles) | _____ | _____ | _____ |
| Title 5 systems (capacity, in gpd) | _____ | _____ | _____ |

E. If the project involves any interbasin transfer of wastewater, which basins are involved, what is the direction of the transfer, and is the interbasin transfer existing or proposed?

F. Does the project involve new sewer service by an Agency of the Commonwealth to a municipality or sewer district? ___ Yes ___ No

G. Is there any current or proposed facility at the project site for the storage, treatment, processing, combustion or disposal of sewage sludge, sludge ash, grit, screenings, or other sewage residual materials? ___ Yes ___ No; if yes, what is the capacity (in tons per day):

| | <u>Existing</u> | <u>Change</u> | <u>Total</u> |
|-----------------------|-----------------|---------------|--------------|
| Storage | _____ | _____ | _____ |
| Treatment, processing | _____ | _____ | _____ |
| Combustion | _____ | _____ | _____ |
| Disposal | _____ | _____ | _____ |

H. Describe the project's other impacts (including indirect impacts) on wastewater generation and treatment facilities:

III. Consistency -- Describe measures that the proponent will take to comply with federal, state, regional, and local plans and policies related to wastewater management:

A. If the project requires a sewer extension permit, is that extension included in a comprehensive wastewater management plan? ___ Yes ___ No; if yes, indicate the EOEA number for the plan and describe the relationship of the project to the plan

TRANSPORTATION -- TRAFFIC GENERATION SECTION**I. Thresholds / Permits**

A. Will the project meet or exceed any review thresholds related to **traffic generation** (see 301 CMR 11.03(6))? ___ Yes **X** No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **state-controlled roadways**? ___ Yes **X** No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Roadways and Other Transportation Facilities Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Traffic Generation Section below.

II. Traffic Impacts and Permits

A. Describe existing and proposed vehicular traffic generated by activities at the project site:

| | <u>Existing</u> | <u>Change</u> | <u>Total</u> |
|---------------------------------|-----------------|---------------|--------------|
| Number of parking spaces | _____ | _____ | _____ |
| Number of vehicle trips per day | _____ | _____ | _____ |

ITE Land Use Code(s):

B. What is the estimated average daily traffic on roadways serving the site?

| | <u>Roadway</u> | <u>Existing</u> | <u>Change</u> | <u>Total</u> |
|----------|----------------|-----------------|---------------|--------------|
| 1. _____ | _____ | _____ | _____ | _____ |
| 2. _____ | _____ | _____ | _____ | _____ |
| 3. _____ | _____ | _____ | _____ | _____ |

C. Describe how the project will affect transit, pedestrian and bicycle transportation facilities and services:

III. Consistency -- Describe measures that the proponent will take to comply with municipal, regional, state, and federal plans and policies related to traffic, transit, pedestrian and bicycle transportation facilities and services:

ROADWAYS AND OTHER TRANSPORTATION FACILITIES SECTION**I. Thresholds**

A. Will the project meet or exceed any review thresholds related to **roadways or other transportation facilities** (see 301 CMR 11.03(6))? ___ Yes **X** No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **roadways or other transportation facilities**? ___ Yes **X** No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Energy Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Roadways Section below.

II. Transportation Facility Impacts

A. Describe existing and proposed transportation facilities at the project site:

| | <u>Existing</u> | <u>Change</u> | <u>Total</u> |
|---|-----------------|---------------|--------------|
| Length (in linear feet) of new or widened roadway | _____ | _____ | _____ |
| Width (in feet) of new or widened roadway | _____ | _____ | _____ |

Other transportation facilities:

- B. Will the project involve any
1. Alteration of bank or terrain (in linear feet)? _____
 2. Cutting of living public shade trees (number)? _____
 3. Elimination of stone wall (in linear feet)? _____

III. Consistency -- Describe the project's consistency with other federal, state, regional, and local plans and policies related to traffic, transit, pedestrian and bicycle transportation facilities and services, including consistency with the applicable regional transportation plan and the Transportation Improvements Plan (TIP), the State Bicycle Plan, and the State Pedestrian Plan:

ENERGY SECTION

I. Thresholds / Permits

A. Will the project meet or exceed any review thresholds related to **energy** (see 301 CMR 11.03(7))? ____ Yes ____ **X** No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **energy**? ____ Yes ____ **X** No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Air Quality Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Energy Section below.

II. Impacts and Permits

A. Describe existing and proposed energy generation and transmission facilities at the project site:

| | <u>Existing</u> | <u>Change</u> | <u>Total</u> |
|--|-----------------|---------------|--------------|
| Capacity of electric generating facility (megawatts) | _____ | _____ | _____ |
| Length of fuel line (in miles) | _____ | _____ | _____ |
| Length of transmission lines (in miles) | _____ | _____ | _____ |
| Capacity of transmission lines (in kilovolts) | _____ | _____ | _____ |

B. If the project involves construction or expansion of an electric generating facility, what are

1. the facility's current and proposed fuel source(s)?
2. the facility's current and proposed cooling source(s)?

C. If the project involves construction of an electrical transmission line, will it be located on a new, unused, or abandoned right of way? ____ Yes ____ No; if yes, please describe:

D. Describe the project's other impacts on energy facilities and services:

III. Consistency -- Describe the project's consistency with state, municipal, regional, and federal plans and policies for enhancing energy facilities and services:

AIR QUALITY SECTION

I. Thresholds

A. Will the project meet or exceed any review thresholds related to **air quality** (see 301 CMR 11.03(8))? ____ Yes ____ **X** No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **air quality**? ____ Yes ____ **X** No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Solid and Hazardous Waste Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Air

Quality Section below.

II. Impacts and Permits

A. Does the project involve construction or modification of a major stationary source (see 310 CMR 7.00, Appendix A)? ___ Yes ___ No; if yes, describe existing and proposed emissions (in tons per day) of:

| | <u>Existing</u> | <u>Change</u> | <u>Total</u> |
|-----------------------------|-----------------|---------------|--------------|
| Particulate matter | _____ | _____ | _____ |
| Carbon monoxide | _____ | _____ | _____ |
| Sulfur dioxide | _____ | _____ | _____ |
| Volatile organic compounds | _____ | _____ | _____ |
| Oxides of nitrogen | _____ | _____ | _____ |
| Lead | _____ | _____ | _____ |
| Any hazardous air pollutant | _____ | _____ | _____ |
| Carbon dioxide | _____ | _____ | _____ |

B. Describe the project's other impacts on air resources and air quality, including noise impacts:

III. Consistency

A. Describe the project's consistency with the State Implementation Plan:

B. Describe measures that the proponent will take to comply with other federal, state, regional, and local plans and policies related to air resources and air quality:

SOLID AND HAZARDOUS WASTE SECTION

I. Thresholds / Permits

A. Will the project meet or exceed any review thresholds related to **solid or hazardous waste** (see 301 CMR 11.03(9))? ___ Yes ___ **X** No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **solid and hazardous waste**? ___ Yes ___ **X** No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Historical and Archaeological Resources Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Solid and Hazardous Waste Section below.

II. Impacts and Permits

A. Is there any current or proposed facility at the project site for the storage, treatment, processing, combustion or disposal of solid waste? ___ Yes ___ No; if yes, what is the volume (in tons per day) of the capacity:

| | <u>Existing</u> | <u>Change</u> | <u>Total</u> |
|-----------------------|-----------------|---------------|--------------|
| Storage | _____ | _____ | _____ |
| Treatment, processing | _____ | _____ | _____ |
| Combustion | _____ | _____ | _____ |
| Disposal | _____ | _____ | _____ |

B. Is there any current or proposed facility at the project site for the storage, recycling, treatment or disposal of hazardous waste? ___ Yes ___ No; if yes, what is the volume (in tons or gallons per day) of the capacity:

| | <u>Existing</u> | <u>Change</u> | <u>Total</u> |
|-----------|-----------------|---------------|--------------|
| Storage | _____ | _____ | _____ |
| Recycling | _____ | _____ | _____ |
| Treatment | _____ | _____ | _____ |

Disposal _____

C. If the project will generate solid waste (for example, during demolition or construction), describe alternatives considered for re-use, recycling, and disposal:

D. If the project involves demolition, do any buildings to be demolished contain asbestos?

___ Yes ___ No

E. Describe the project's other solid and hazardous waste impacts (including indirect impacts):

III. Consistency--Describe measures that the proponent will take to comply with the State Solid Waste Master Plan:

HISTORICAL AND ARCHAEOLOGICAL RESOURCES SECTION

I. Thresholds / Impacts

A. Is any part of the project site a historic structure, or a structure within a historic district, in either case listed in the State Register of Historic Places or the Inventory of Historic and Archaeological Assets of the Commonwealth? **X** Yes ___ No; if yes, does the project involve the demolition of all or any exterior part of such historic structure? **X** Yes ___ No; if yes, please describe:

Selected and limited demolition in Park Street Station will occur, including removal of an approximately 12'-6" by 12'-6" foot section of both the roof and floor to install two elevators, and relocation of a stair connecting the Green Line Westbound Platform with the Red Line Center Platform below. No exterior elements of Park Street Station will be altered.

B. Is any part of the project site an archaeological site listed in the State Register of Historic Places or the Inventory of Historic and Archaeological Assets of the Commonwealth? **X** Yes ___ No; if yes, does the project involve the destruction of all or any part of such archaeological site? ___ Yes **X** No; if yes, please describe:

C. If you answered "No" to all parts of both questions A and B, proceed to the **Attachments and Certifications** Sections. If you answered "Yes" to any part of either question A or question B, fill out the remainder of the Historical and Archaeological Resources Section below.

D. Have you consulted with the Massachusetts Historical Commission? **X** Yes ___ No; if yes, attach correspondence

E. Describe and assess the project's other impacts, direct and indirect, on listed or inventoried historical and archaeological resources:

The construction of a Green Line elevator at Park Street Station requires work adjacent to the Park Street Station, which is a contributing element in the Tremont Street Subway, and Boston Common through the visual and physical introduction of new elevator structures. The location of the elevators was determined following studies that concluded that the proposed configuration is the only siting that achieves the project objectives with minimal impacts to station operations and the historic properties. On the interior of Park Street Station two glass-enclosed elevators will be constructed, a stair will be reoriented between the Green Line Westbound and Red Line Center Platforms and the fare collection area will be slightly reconfigured. The elevators will be positioned and designed between columns and away from original stairs to have minimal impact on the fabric of the station. The stair that will be reconfigured and the fare collection area have previously been altered. The head house for the elevator between the Green Line Westbound platform and the surface will rise within Boston Common. The head house

will emerge southwest of the existing West Head House at the walkway edge of a grassed area. The structure footprint will be as small as possible, approximately 10 feet by 10.5 feet square and will be the same height as the West Head House. The design of the new head house will use granite, steel, and glass materials and a standing seam, metal hip roof. The architectural design and building fabric will complement the existing structures on the Common, but will be as transparent as possible in order to minimize the visual presence of the head house in the historic landscape and for the safety of users.

As a result of the siting work and sensitive design of the elevator, the Massachusetts Historical Commission has determined that the project will have No Adverse Effect on any historic or archeological resource.

II. Consistency -- Describe measures that the proponent will take to comply with federal, state, regional, and local plans and policies related to preserving historical and archaeological resources:

The FTA has determined that the proposed construction of a Green Line elevator at Park Street will result in No Adverse Effect under Section 106 of the National Historic Preservation Act of 1966, as amended (36 CFR 800). In addition, the MHC has concurred with this determination.

The FTA and MBTA anticipate ongoing review and consultation with the MHC and Boston Landmarks Commission (BLC) as well as Boston Parks and Recreation Commission (BPRC) to finalize a plan to mitigate the impacts associated with the demolition of the station and the construction of the elevator.

ATTACHMENTS:

1. Plan, at an appropriate scale, of existing conditions of the project site and its immediate context, showing all known structures, roadways and parking lots, rail rights-of-way, wetlands and water bodies, wooded areas, farmland, steep slopes, public open spaces, and major utilities.
2. Plan of proposed conditions upon completion of project (if construction of the project is proposed to be phased, there should be a site plan showing conditions upon the completion of each phase).
3. Original U.S.G.S. map or good quality color copy (8-½ x 11 inches or larger) indicating the project location and boundaries
4. List of all agencies and persons to whom the proponent circulated the ENF, in accordance with 301 CMR 11.16(2).

CERTIFICATIONS:

1. The Public Notice of Environmental Review has been/will be published in the following newspapers in accordance with 301 CMR 11.15(1):
(Name) (Date)

Beacon Hill Times

On or before September 8, 2009

2. This form has been circulated to Agencies and Persons in accordance with 301 CMR 11.16(2).

Date Signature of Responsible Officer
or Proponent

Signature of person preparing
ENF (if different from above)

8/26/09 Andrew D. Brennan

Karen E. Arpino

Name (print or type) **Andrew D. Brennan**
Director of Environmental Affairs

Karen E. Arpino
Director of Transportation

Firm/Agency **MBTA**

S E A Consultants Inc.

Street **10 Park Plaza**
Room 6720

215 First Street

Municipality/State/Zip **Boston, MA 02116**

Cambridge, MA 02142

Phone **617-222-3126**

617-497-7800

Attachment 1: Project Site Plan



MBTA Park Street Station ENF

SEA
S.E.A. Consultants, Inc.
06/12/07

ATTACHMENT 1
Project Site Plan

Legend

Land Use

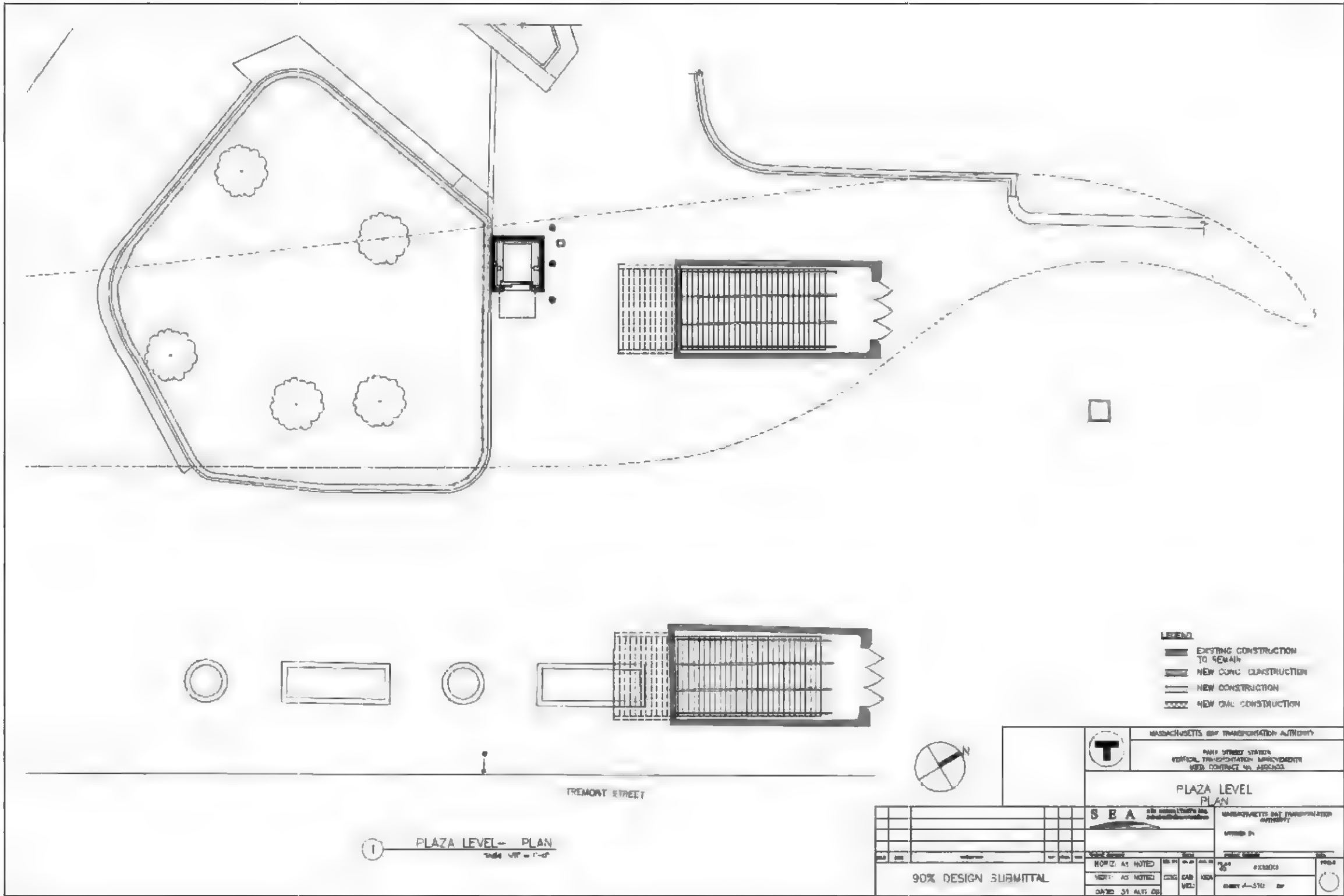
- Recreation
 - Commercial
 - Urban Open, Public
 - Urban Open, Cemeteries
- Source: MassGIS

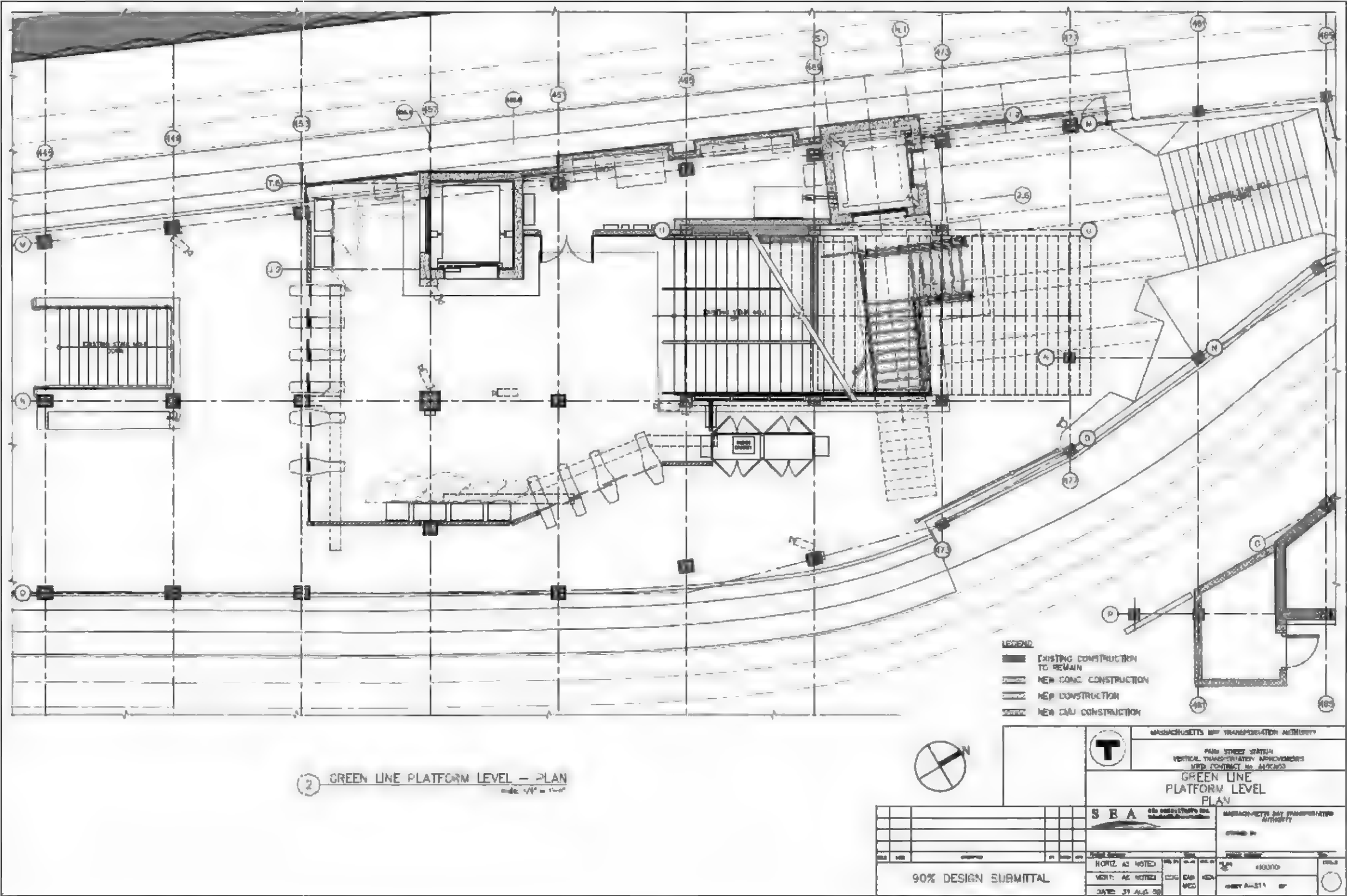
NOTE:
There are no other significant, protected or regulated natural resources within the project area.

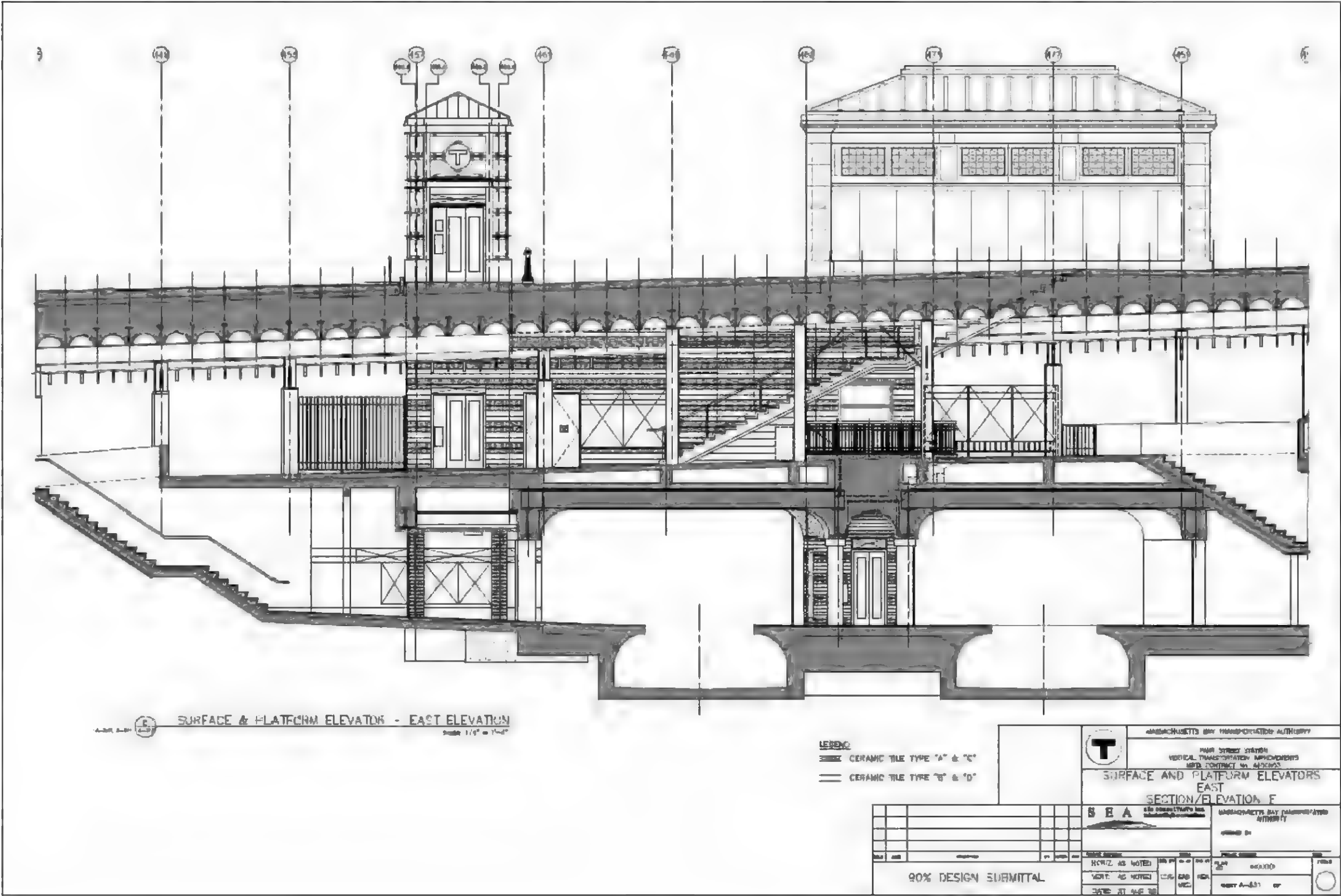
1 inch equals 50 feet

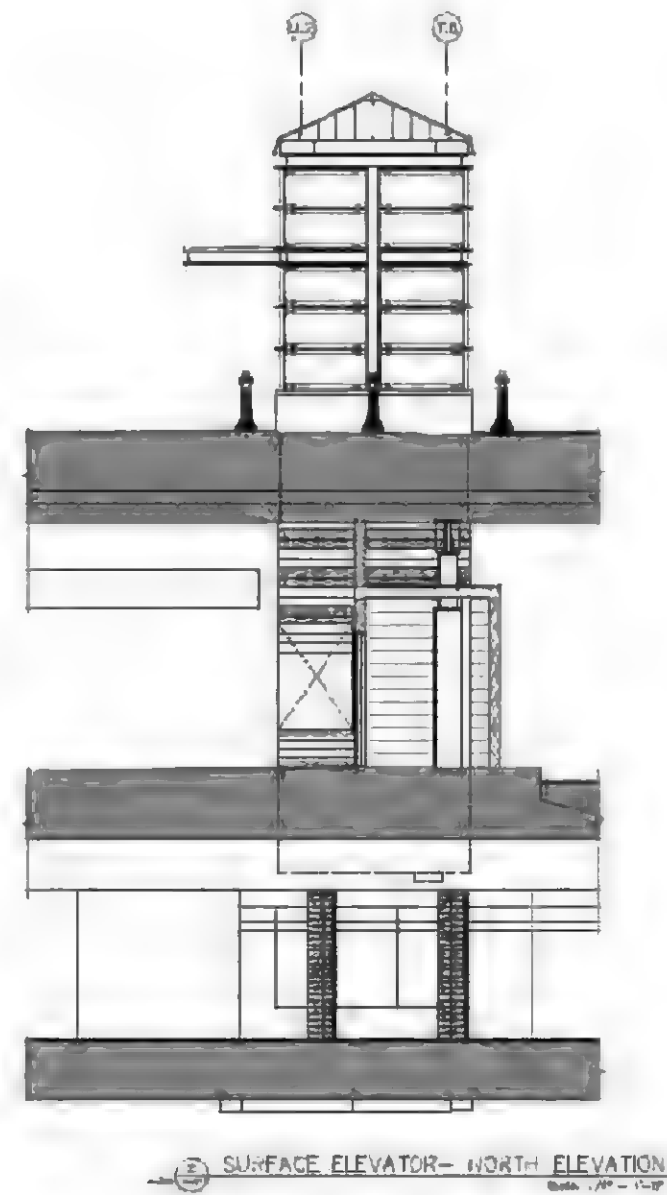


Attachment 2: Plans of Proposed Conditions











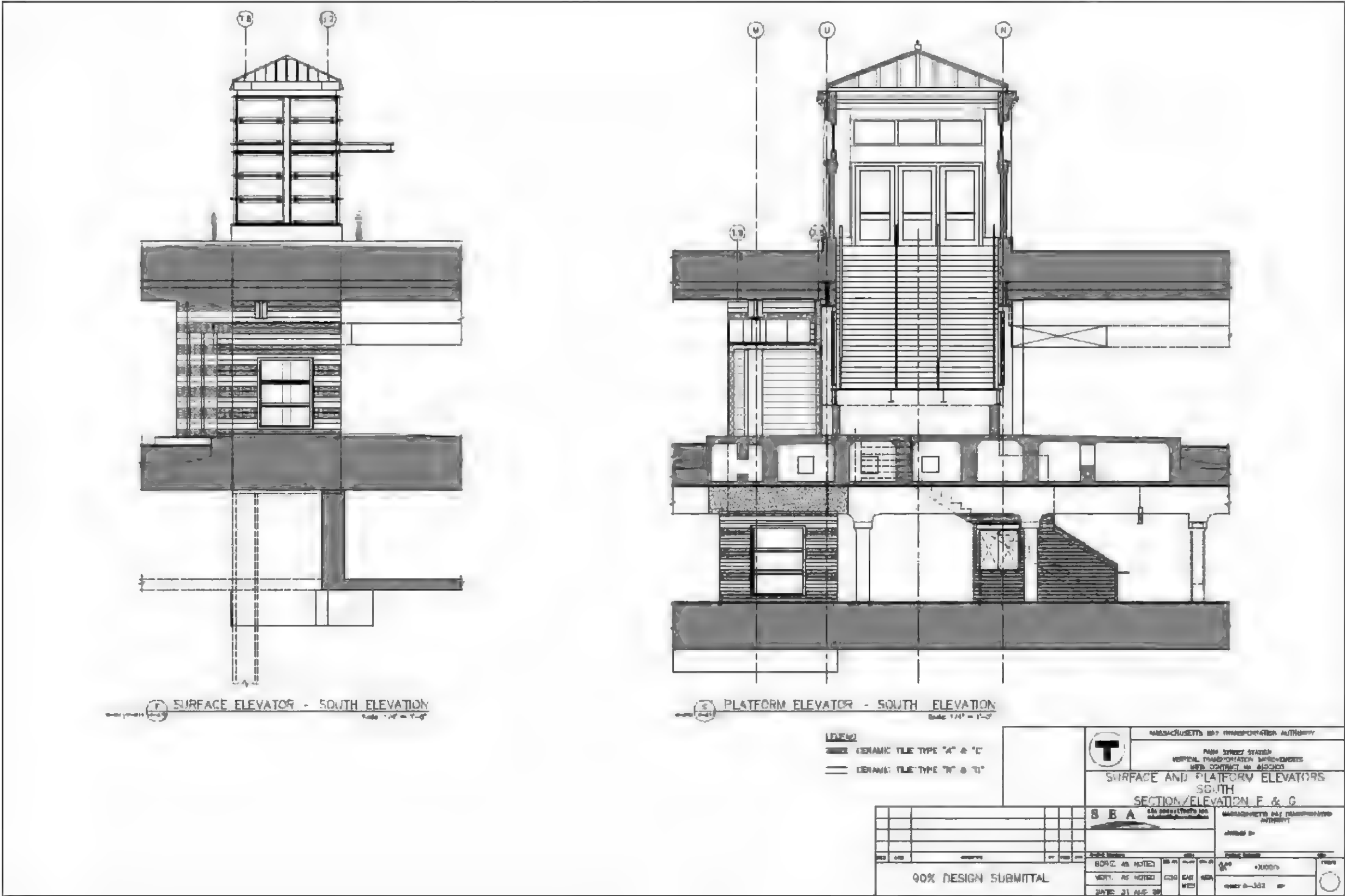
LEGENDA

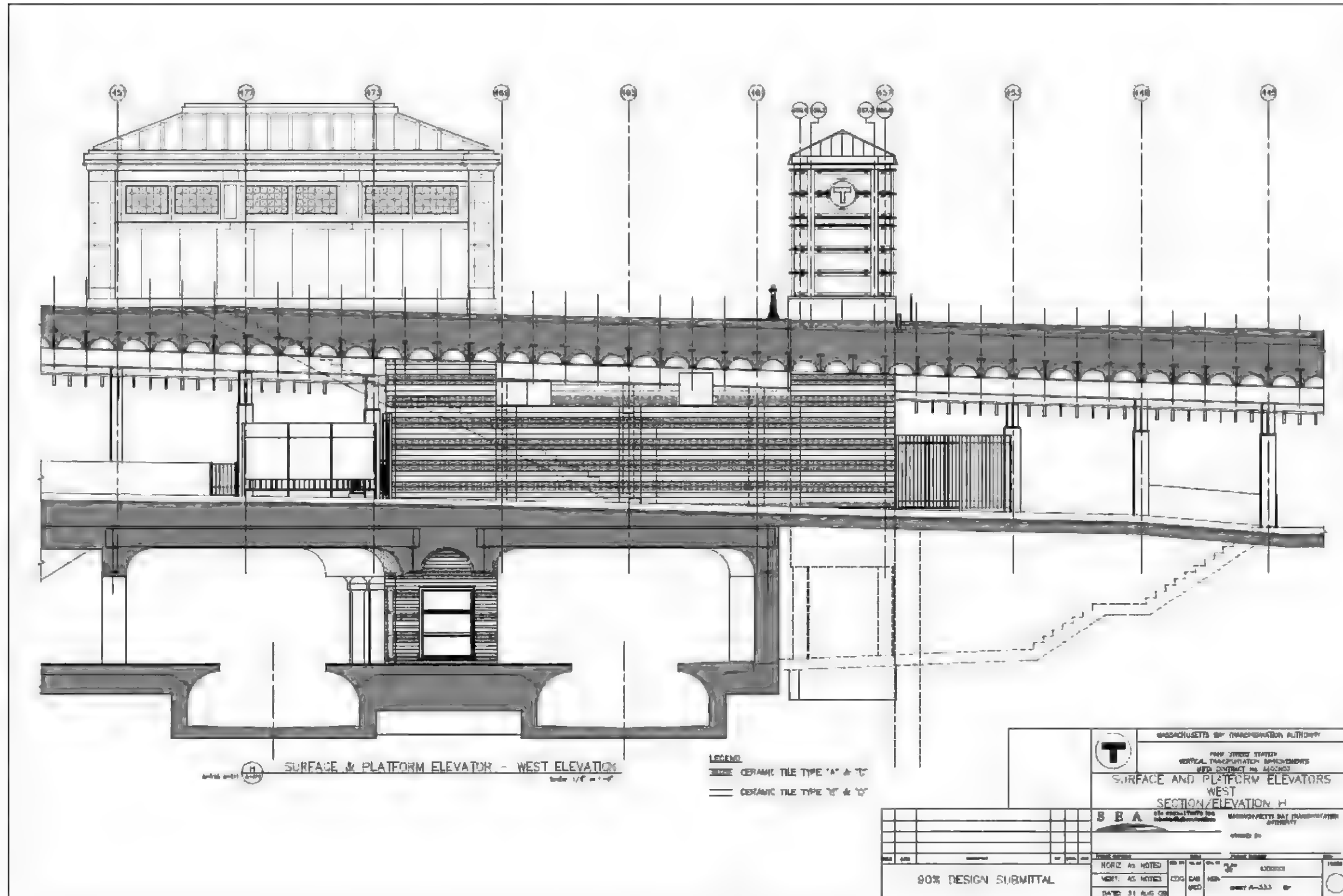
~~SECRET~~ CERAMIC TILE TYPE "A" & "C"

== CERAMIC TILE TYPE 'B' & 'C'

90% DESIGN SUBMITTAL

| | | | | | |
|---|--|--|---|--|--|
| MASSACHUSETTS BAY TRANSPORTATION AUTHORITY | | | | | |
| T | 1000 STREET STATION METRAL TRANSPORTATION AUTHORITY 1000 STREET STATION SURFACE AND PLATFORM ELEVATORS NORTH SECTIONS/ELEVATORS C & D | | | | |
| S E A | | | METRO-NORTH BAY TRANSPORTATION AUTHORITY | | |
|  | | |  | | |
| NOTED AS NOTED | | | NOTED AS NOTED | | |
| NOTE TO AG NO. | | | NOTE TO AG NO. | | |





Attachment 3: U.S. Geological Survey Locus Map



ATTACHMENT 3: USGS Locus Map

MBTA - PARK STREET STATION



S E A Consultants Inc.
Scientists/Engineers/Architects

CAMBRIDGE, MASSACHUSETTS CONCORD, NEW HAMPSHIRE
ROCKY HILL, CONNECTICUT AUGUSTA, MAINE
STONEHAM, MASSACHUSETTS



**Attachment 4: List of all agencies and persons to whom the
proponent circulated the ENF,
in accordance with 301 CMR 11.16(2)**

Distribution List

Secretary Ian A. Bowles
Executive Office of Environmental Affairs
Attn: MEPA Office
100 Cambridge Street, Suite 900
Boston, MA 02114

Elizabeth Higgins
Director of the Office of Environmental Review
U.S. Environmental Protection - Region 1
One Congress Street
Boston, MA 02114

Senator Edward M. Kennedy
2400 JFK Building
Boston, MA 02203

Senator John F. Kerry
One Bowdoin Square
Tenth Floor
Boston, MA 02114

Representative Michael E. Capuano
110 First Street
Cambridge, MA 02141

Senator Anthony W. Petrucelli
Massachusetts State House, Room 413-B
Boston, MA 02133

Representative Marty Walz
Massachusetts State House, Room 443
Boston, MA 02133

City of Boston
Mayor's Office
Boston City Hall
One City Hall Plaza, 5th Floor
Boston, MA 02201

Councilor Michael Ross Boston City Council
Boston City Hall
One City Hall Plaza, 5th Floor Boston, MA 02201

Department of Environmental Protection - Boston Office
Commissioner's Office
One Winter Street
Boston, MA 02108

DEP/Northeast Regional Office
Attn: MEPA Coordinator
205B Lowell Street
Wilmington, MA 01887

Boston Conservation Commission Environment Department
Boston City Hall
Room 805
Boston, MA 02201

U.S. Department of the Interior
Director, Office of Environmental Policy and Compliance
Main Interior Building (MS 2462)
1849 C Street, NW
Washington, DC 20240

Massachusetts Historical Commission
The MA Archives Building
220 Morrissey Boulevard
Boston, MA 02125

Boston Landmarks Commission Boston City Hall
Room 805
Boston, MA 02201

Metropolitan Area Planning Council
60 Temple Place
6th floor
Boston, MA 02111

Boston Redevelopment Authority
Boston City Hall
One City Hall Plaza, 9th Floor
Boston, MA 02201

Massachusetts Bay Transportation Authority
Attn: MEPA Coordinator
10 Park Plaza, 6th Floor
Boston, MA 02216

Massachusetts Highway Department
Public/Private Development Unit
10 Park Plaza
Boston, MA 02116

MHD-District #4
Attn: MEPA Coordinator
519 Appleton Street
Arlington, MA 02476

DCR Division of Urban Parks
Attn: MEPA Coordinator
251 Causeway Street
Suite 600
Boston MA 02114

Coastal Zone Management
Attn: Project Review Coordinator
251 Causeway Street, Suite 800
Boston, MA 02114

Division of Marine Fisheries
Division of Marine Fisheries (North Shore)
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930

Massachusetts Water Resource Authority
Attn: MEPA Coordinator
100 First Avenue
Charlestown Navy Yard
Boston, MA 02129

Boston Center for Independent Living, Inc.
60 Temple Place, 5th Floor
Boston, MA 02111

Boston Commission for Persons with Disabilities
Boston City Hall
One City Hall Plaza, Room 966
Boston, MA 02201

Boston Public Health Commission
1010 Massachusetts Ave, 2nd Floor
Boston, MA 02118

Department of Public Health (DPH)
Director of Environmental Health
250 Washington Street
Boston, MA 02115

Boston Public Library
Main Branch
700 Boylston Street
Boston, MA 02117

Beacon Hill Civic Association
74 Joy Street
Boston, MA 02114

Boston Parks & Recreation Commission
110 Mass Ave -3rd Floor
Boston, MA 02118

Henry Lee, President
Friends of the Boston Public Garden and Boston Common
87 Mount Vernon Street
Boston, MA 02108

Transportation Library
10 Park Plaza
Boston, MA 02118